

Title (en)
Electrical connector with ejection mechanism

Title (de)
Elektrische Stecker mit Ausziehvorrichtung

Title (fr)
Connecteur électrique avec mécanisme d'extraction

Publication
EP 0687036 A2 19951213 (EN)

Application
EP 95108851 A 19950608

Priority
US 25846294 A 19940610

Abstract (en)
An electrical connector (10) for removably receiving an electronic module. The connector has a frame, electrical contacts (14), and an ejection mechanism (16) for ejecting the electronic module from the connector (10). The ejection mechanism has two longitudinally slidable members connected orthogonally to each other. When a first one of the members is moved by a user in a first direction, the second one of the members is wedged by the first member in a second direction orthogonal to the first direction. The frame has cam surfaces that interact with the second member to move the second member in a third direction, opposite to the first direction, when the second member is moved in the second direction. The second member pushes the electronic module out of the connector as it is moved in the third direction. <IMAGE>

IPC 1-7
H01R 13/633

IPC 8 full level
G06K 13/08 (2006.01); **H01R 12/18** (2006.01); **H01R 12/70** (2011.01); **H01R 13/633** (2006.01); **H01R 43/26** (2006.01)

CPC (source: EP)
G06K 13/08 (2013.01); **G06K 13/0806** (2013.01); **H01R 12/7005** (2013.01); **H01R 13/633** (2013.01)

Citation (applicant)
• US 5275573 A 19940104 - MCCLEEREY EARL W [US]
• US 5152697 A 19921006 - ABE HIROSHI [JP], et al
• US 5139435 A 19920818 - KOMATSU YASUHIRO [JP], et al
• US 5026296 A 19910625 - HASHIGUCHI OSAMU [JP]
• EP 0547255 A1 19930623 - MOLEX INC [US]
• EP 0532346 A2 19930317 - DU PONT [US]
• EP 0385750 A1 19900905 - DU PONT [US]
• GB 2205000 A 19881123 - DU PONT
• US 4902240 A 19900220 - KUZUNO KATSUTOSHI [JP], et al
• US 4875873 A 19891024 - ISHIZUKA SHIGEO [JP], et al
• US 4586771 A 19860506 - KRAEMER RUDOLF E [DE], et al
• US 5230635 A 19930727 - TAKENOUCHI KENJI [JP], et al
• US 5238423 A 19930824 - HILLIS W DANIEL [US], et al
• US 4223973 A 19800923 - TAMBURRO PETER J
• US 3869185 A 19750304 - TEAGNO WLADIMIRO
• US 4789352 A 19881206 - KREINBERG EARL R [US], et al
• US 14483593 A 19931028

Cited by
EP1118955A3; EP1397032A3; EP0895317A3; EP1010216A4; EP1019981A4; US7014118B1

Designated contracting state (EPC)
BE CH DE DK ES FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0687036 A2 19951213; **EP 0687036 A3 19981021**; JP H07335319 A 19951222

DOCDB simple family (application)
EP 95108851 A 19950608; JP 12532895 A 19950524